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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/550,915      | 09/28/2005  | Morio Fujitani       | 2005_1476A          | 4301             |

513 7590 04/06/2007  
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WASHINGTON, DC 20006-1021

EXAMINER

RAABE, CHRISTOPHER M

ART UNIT PAPER NUMBER

2879

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE  | DELIVERY MODE |
|--|------------|---------------|
| 3 MONTHS                               | 04/06/2007 | PAPER         |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

|                              |                        |                     |  |
|------------------------------|------------------------|---------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                              | 10/550,915             | FUJITANI, MORIO     |  |
|                              | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                              | Christopher M. Raabe   | 2879                |  |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 September 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____.                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>9/28/05</u> .   | 6) <input type="checkbox"/> Other: ____.                          |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Fujitani et al. (JP 2003054991).

With regard to claim 1,

Fujitani et al. disclose a plasma display panel comprising: a front panel and a back panel disposed to oppose each other with an inner space formed therebetween (102,112 of fig 1); and a catalyst reacting with a hydrocarbon provided in an exposed manner to the inner space (paragraphs 13, 14).

With regard to claim 2,

Fujitani et al. disclose the plasma display panel according to claim 1, wherein the catalyst is contained in a component part of the plasma display panel exposed to the inner space (paragraphs 13,14).

With regard to claim 3,

Fujitani et al. disclose the plasma display panel according to claim 2, wherein the component part is constituted of at least one of a protective layer formed on the front panel, a

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barrier rib formed on the back panel, a phosphor layer formed on the back panel, and a base dielectric layer formed on the back panel (104 of fig 4).

With regard to claim 4,

Fujitani et al. disclose the plasma display panel according to any of claim 1, wherein the catalyst is a catalyst accelerating oxidization of a hydrocarbon (paragraphs 13, 14).

With regard to claim 5,

Fujitani et al. disclose the plasma display panel according to claim 4, wherein the catalyst is at least one selected out of Pd, Pt, Rh,  $\text{Co}_3\text{O}_4$ , PdO,  $\text{Cr}_2\text{O}_3$ ,  $\text{Mn}_2\text{O}_3$ ,  $\text{Ag}_2\text{O}$ , CuO,  $\text{MnO}_2$ , CoO, and NiO (paragraphs 13, 14).

With regard to claim 6,

Fujitani et al. disclose the plasma display panel according to claim 1, wherein the catalyst is a catalyst accelerating decomposition of a hydrocarbon (paragraphs 13, 14).

With regard to claim 7,

Fujitani et al. disclose the plasma display panel according to claim 6, wherein the catalyst is at least one selected out of Co, Mn, Zn, Ti,  $\text{TiO}_2$ , and Ni (paragraphs 13, 14).

With regard to claims 8,9,

Fujitani et al. disclose the plasma display panel according to claims 2,3, wherein the catalyst is a catalyst accelerating oxidization of a hydrocarbon (paragraphs 13, 14).

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With regard to claims 10,11,

Fujitani et al. disclose the plasma display panel according to claims 2,3, wherein the catalyst is a catalyst accelerating decomposition of a hydrocarbon (paragraphs 13, 14).

### **Conclusion**


3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. USPN 5972564, 6075319, 2004/0027072.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Raabe whose telephone number is 571-272-8434. The examiner can normally be reached on m-f 7am-3:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CR

  
Ashok PATEL  
PRIMARY EXAMINER